



IMPACT REPORT

COHORT 1 - 2022

Yayasan Anak Bangsa Bisa in Collaboration with Social Innovation Acceleration Program





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Executive Summary

Water is an intrinsic source of life, but water-related problems are also increasingly threatening our livelihoods. Among many environmental issues, water is an interconnected sector that is linked to waste, climate change, circular economy, and resilient cities.

As the impact-driven foundation of GoTo group, Yayasan Anak Bangsa Bisa, is focused on tackling longstanding water-related issues. With a core mission to enable changemakers who are committed to breaking barriers and solving social, environmental and economic challenges, we embody the spirit of collaboration to drive paradigm shifts, powered by technology and innovation. We strive to catalyze interventions for a better environment to design lasting impact by championing access to decent drinking water and reducing socio-economic vulnerability to hydrometeorological disasters. With this mission, we have birthed the Catalyst Changemakers Lab (CCL), the first step to convene changemakers and key stakeholders together by catalyzing innovations that solve systemic water issues and empowering societies to thrive and live more responsibly.

For approximately two months, changemakers have participated in a series of workshops, mentoring, and sync sessions that were curated to meet their needs in developing collaborative innovations. We have gained powerful insights from this initial stage at CCL. While the participating changemakers were satisfied with the comprehensive material and mentoring sessions with the experts, there are still improvements that we are working on, for instance, extending the duration of the event.

We still have a long journey to go and many plans to develop to solve water problems together. CCL will implement three pilot project innovations in Semarang, Makassar, and Bandar Lampung as part of efforts to champion real impact on the ground. It will not only stop there. We are working to develop an IoT Water Platform, build an integrated ecosystem of changemakers and ultimately, culminate all our efforts into a robust data repository that will assist the government and various stakeholders in their strategies and policies inform Government and stakeholders for their actions and policies.

YABB always works closely together with all stakeholders, and we will continue to engage multi-sectorial stakeholders. Together, we believe we can make a rooted and lasting impact through the power of collaboration, technology, and innovation.

WE MAY BE PART OF THE PROBLEM,
BUT WE CAN ALSO BE THE SOLUTION.

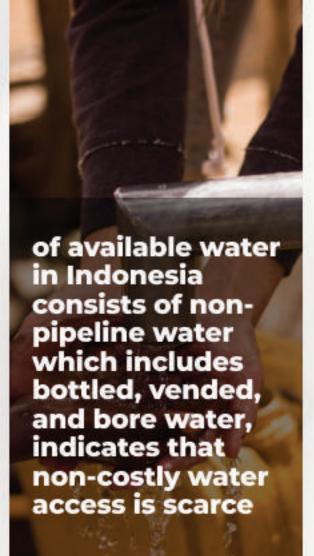
Water is an intrinsic source of life, but water-related problems are also increasingly threatening our livelihoods. Among many environmental issues, water is an interconnected sector that is linked to waste, circular economy, and resilient cities.

WATER PROBLEMS

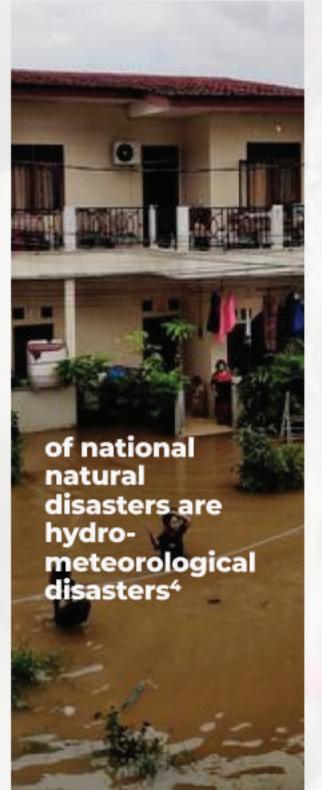
90%



70%



98%



OUR SOLUTIONS

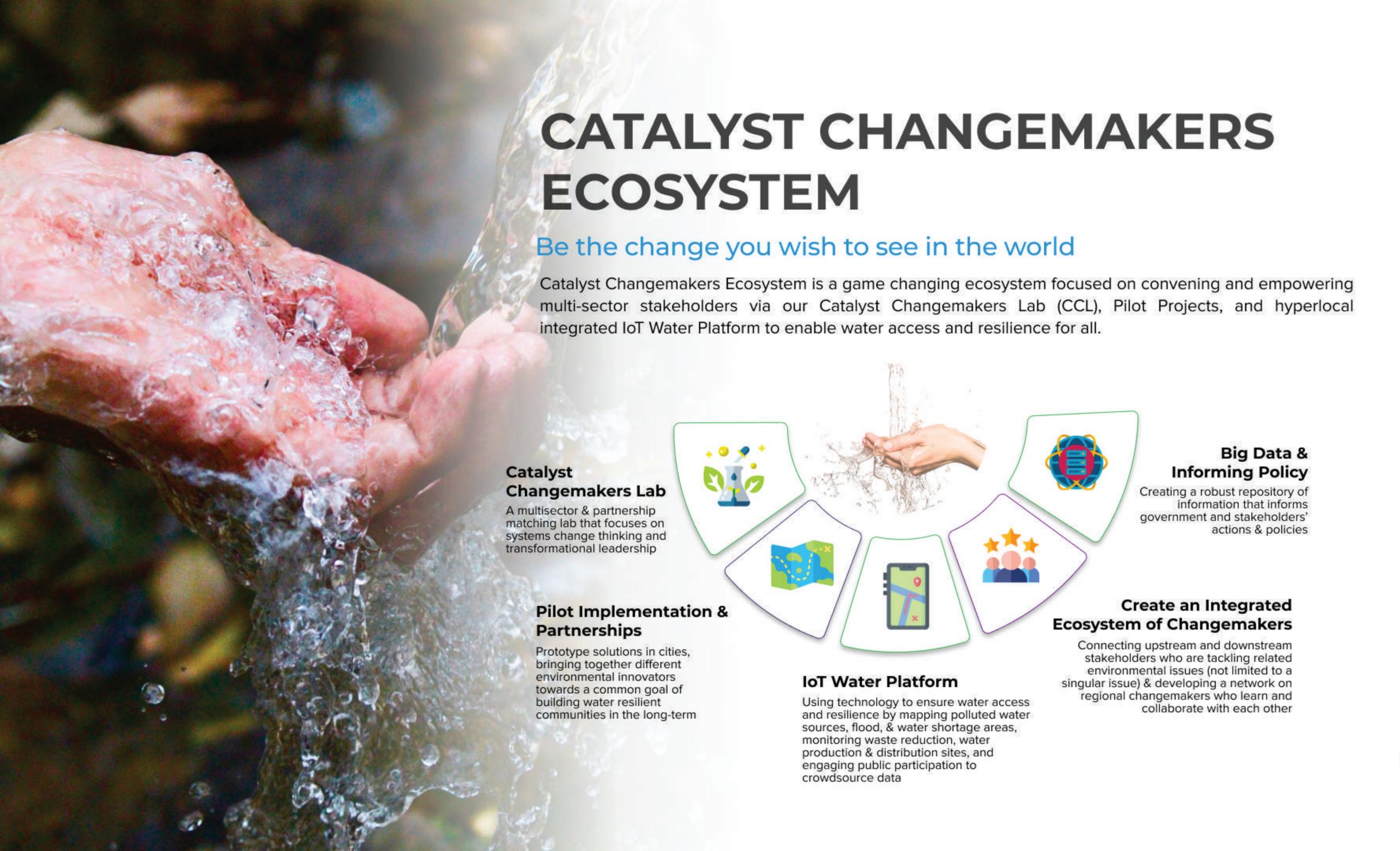
Catalyst Changemakers Ecosystem

Water Access and Resilience for All

100% decent drinking water access in Indonesia and reduced socio-economic vulnerability due to water-related disasters in Indonesia, Philippines and Vietnam by 2030

References:

- (1) https://www.theguardian.com/environment/2018/mar/15/microplastics-found-in-more-than-90-of-bottled-water-study-says
- (2) https://globalplasticaction.org/wp-content/uploads/NPAP-Indonesia-Multistakeholder-Action-Plan_April-2020.pdf
- (3) https://www.bappenas.go.id/id/berita-dan-siaran-pers/tegaskan-komitmen-air-minum-dan-sanitasi-aman-bappenas-bersiap-helat-ksan-2021/
 (4) https://databoks.katadata.co.id/datapublish/2021/06/19/bnpb-20-gempa-bumi-mengguncang-indonesia-hingga-18-juni-2021



Defining Water Access & Resilience For All

By convening changemakers and catalyzing their innovations, we aim to improve water access in Indonesia for all while building community resilience towards socio-economic vulnerability to water-related disasters. To do so, we focus on 4 relevant water-related issues to work on towards achieving our above goals.



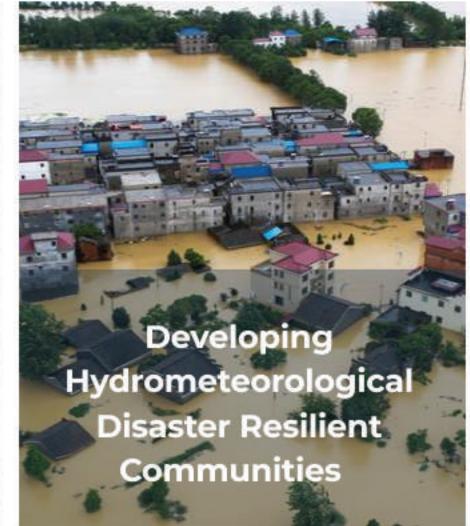
- Provide, improve and expand coverage (greater access) of decent water access, e.g. via harvesting, filtration, desalination and other innovative methods
- Ensure water quality is free from microplastics and water-borne diseases.



- Develop innovative ways to monitor water usage e.g. evaluation and planning, use of water resources information system and other methods to drive better decision making.
- Enhance public awareness and community participation, to improve water conservation / efficiency practices.



- Expand and replicate models of environmental services and alternative packaging as a means to tackle both upstream and downstream water plastic waste (e.g. reusable models or refill stations).
- Encourage environmentally cleaner and/or more efficient production through material substitution, process improvement and recycling (e.g. greener or bio packaging).



- Reduce the risk of hydrometeorological disasters in socioeconomically vulnerable communities through better disaster preparedness.
- Establish innovative and effective communication methods that will help in responding to hydrometeorological disasters.
- Mitigate hydrometeorological disasters threats through innovative water management systems that reduce the likelihood of flooding.

CATALYST CHANGEMAKERS LAB (CCL)



Expert Mentorship



Innovation Day



Collaborative Brainstorming



Partnership Matching



Implementation Support



Workshop Series



Catalyst Changemakers Lab (CCL)

convened 33 changemakers who have

teamed-up into 11 groups, ranging from

startups to civil society organizations,

to collaborate in resulting system

thinking solutions.

Alumni Network

What Makes CCL Different



Link-up: Integrated Changemakers Ecosystem

Open opportunity for organisations from startups to civil society organizations to enable them as the changemakers and create the integrated ecosystem.



Sync-up: A Multisector Lab

Establish collaboration among the changemakers to create ecosystem-driven solutions instead of competition to obtain the venture capital or grant funds.



Scale-up: Collaboration to Scale **Impact On-ground**

Facilitate the changemakers to implement their innovations on the ground through pilot projects and scale the impacts through the internet of things (IoT) digital platform.

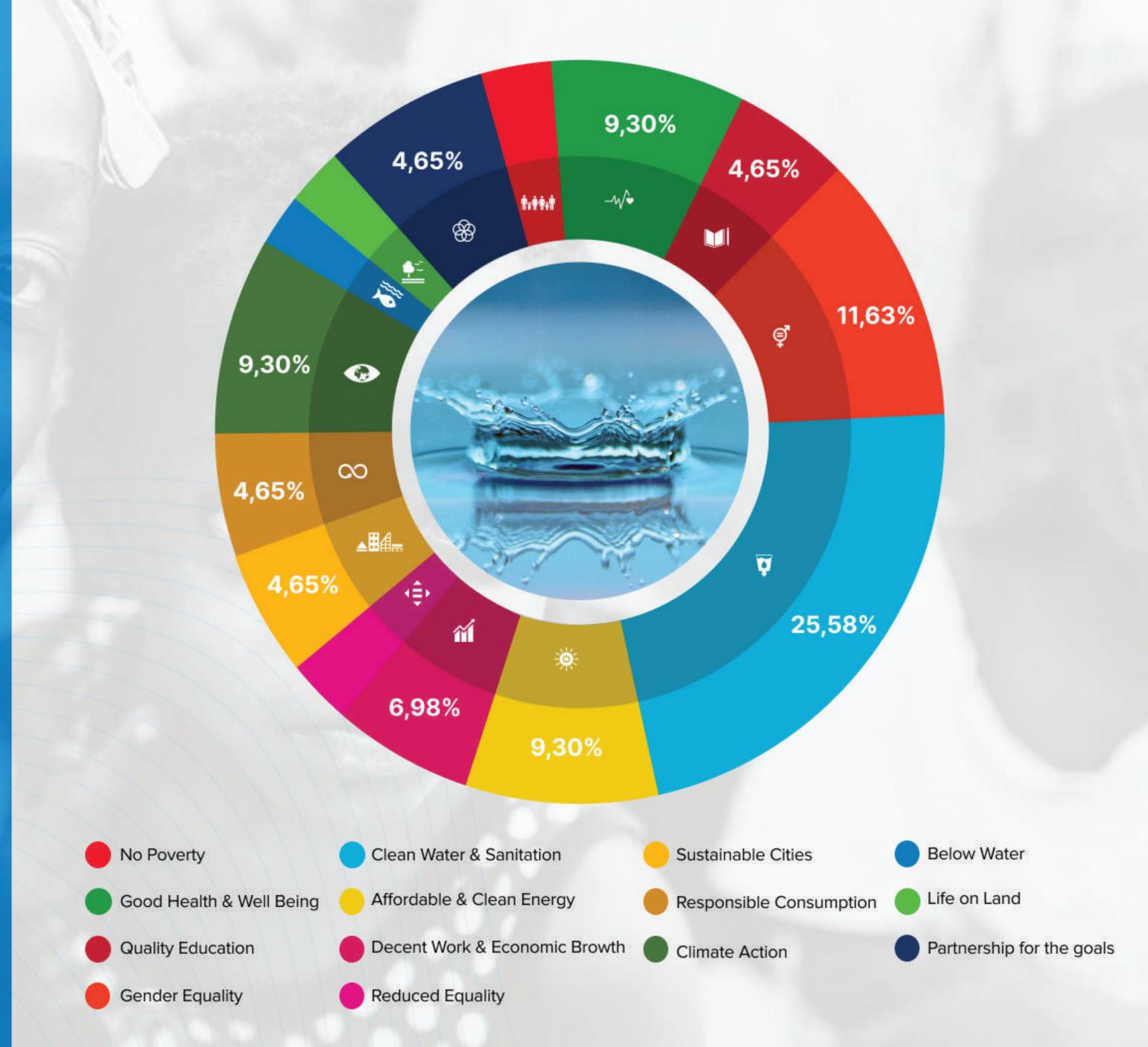
CCL ALIGNMENT WITH SDG

In this program, we worked closely with Startups & CSOs as the "changemakers" who drive the innovation:

CSOs (relationship promoter) – an entity that work closely with beneficiaries, and are equipped with local knowledge.

Startup (process promoter) – the ones equipped with ideas, vision, organizational & business know-hows, and possibly the ones to disrupt the current problem-solving process into a more innovative and effective ones.

With aspirations to create a positive impact on community level, our changemakers aligned their impact mission to the following 14 SDGs:



CCL MILESTONES

In-depth panel discussions to support changemakers' core skill sets with industry and community leads and experts

Mata Air Session Synergic dialogue for changemakers to cocreate solutions by sharing resources and learning from each other.

Sync Session



Collaborative simulations to improve changemakers knowledge and technical capacity in order to build and scale digital innovations.

Mentoring Session

Genuine conversation with industry experts to help changemakers navigate the innovation building process.

Innovation Day

Culmination of CCL sessions where changemakers presented their pilot project ideas and served as a meeting point for all system change players to build conversation and dialogue for furthering their pilot project plans

Link-up: Integrated Changemakers Ecosystem

The program enables organisations from Startups to CSOs (Civil Society Organizations) to create an integrated ecosystem of changemakers.

40
Hours of
Learning

6 Mentoring Sessions "After joining the CCL program, I realized that a program that is said to be successful is a program that starts from the community, involves the community and is for the community."

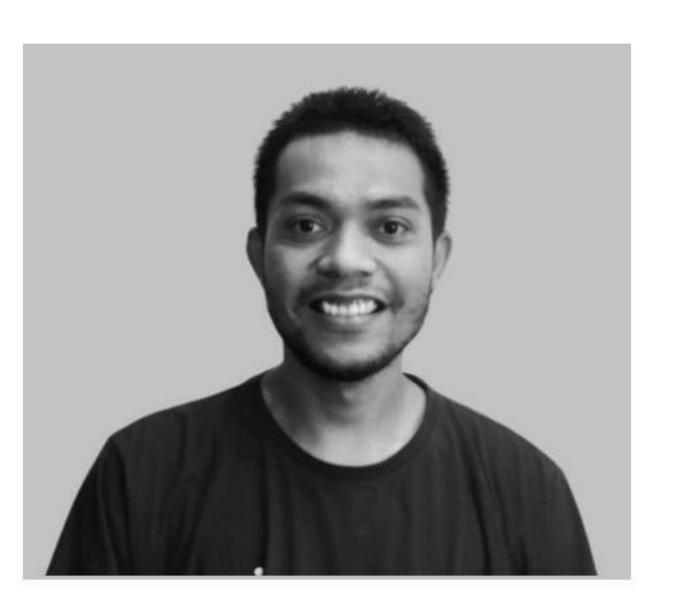
Duhitta Hayyuardhini Program Coordinator Terra Water



Mata Air Sessions

8 Workshop Sessions "After following the CCL program, I now gain more knowledge in implementation, able to be open to collaboration and try to think of solutions in the environmental field with efficient technology"

> Indarto Founder / CEO Databiota

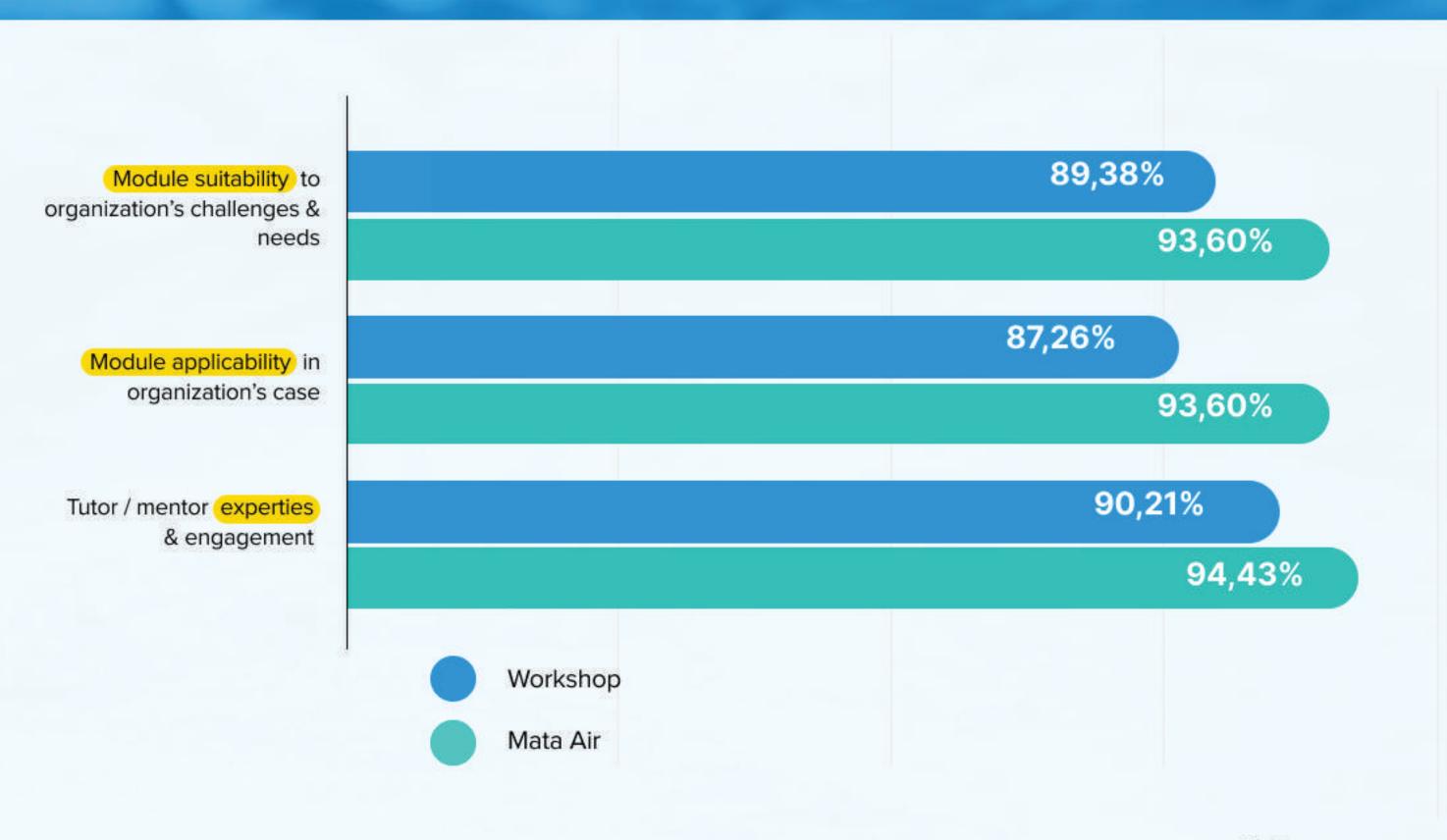


Link-up: Integrated Changemakers Ecosystem

The primary focus of the Catalyst Changemakers Lab is to enable Changemakers in their innovation journey to improve water access and build resilience against water-related disasters in Indonesia for all.

Through series of workshops, mata air, and mentoring sessions, the survey indicates that the learning modules are suitable to changemakers' current challenges and needs, therefore help them to deal with challenges in their organization's day-to-day operations.

In addition, Changemakers expressed their tutors and mentors playing a pivotal roles in helping them develop system thinking solutions.



¹²

Link-up: Integrated Changemakers Ecosystem



Furthermore, CCL aims to create a deeper learning experience for Changemakers where they can adapt to the dynamic nature of running an impact-focus organizations. This includes being able to accept feedback and understand learning points when they face setbacks. Based on the survey conducted, 94.12% of the Changemakers in CCL have developed a growth mindset.

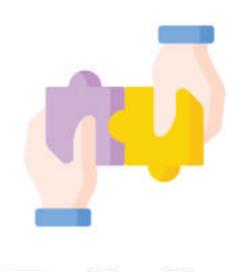


"My mentor patiently helps develop ideas and provides input for us as an organization and me as individuals to be able to solve problems in society gradually so that problems is not only solved but also how to translate problems into a sustainable solution."

Prima Yustitia Nurul Islami CEO & Founder Askara Cendikia

Sync - Up: A Multisector Lab

The program establishes collaboration among the changemakers to create ecosystem-driven solutions instead of competition to obtain the venture capital or grant funds.



189
of organizations

invited to collaborate

103
connections

made through Lab



"After participating in the CCL program, I am now more open to seeing opportunities for partnership or collaboration, seeing a lot of networking that can be used to establish future collaboration, many new friends, a lot of knowledge or experience that can be applied in organizations or in our daily work."

Wela Utami Account Manager Nazava Water Filters



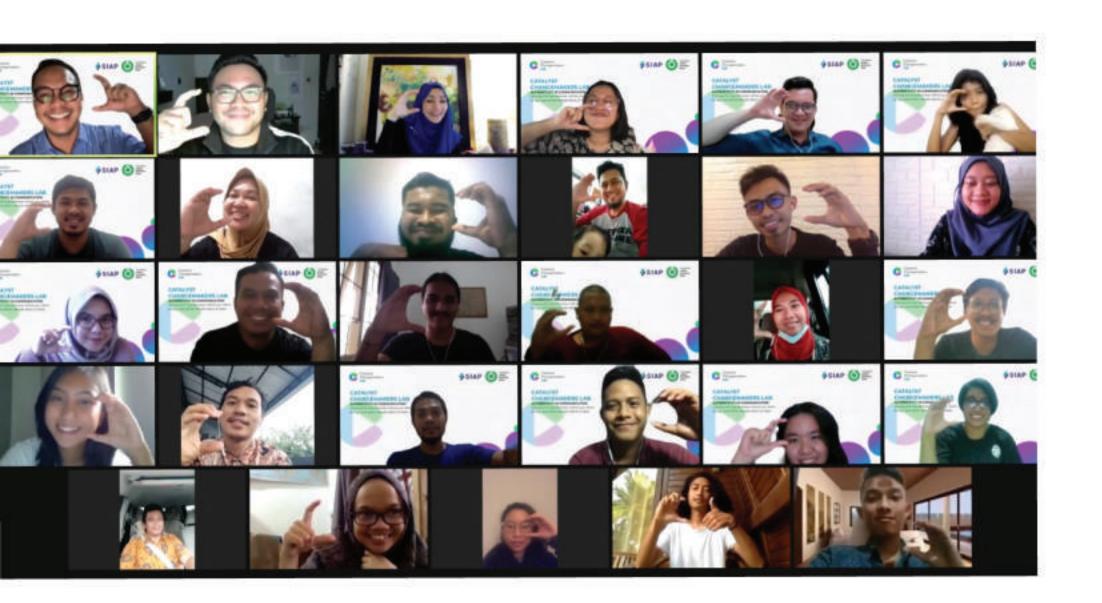
"After joining the CCL program, I became a person who opened up more with communities or organizations to collaborate more together, even though at the beginning of the meeting it seemed we had the same goal and saw each of them as rivals. But here, I'm more accepting that collaboration together is the best way."

Chitra Dewi Rasyid Member of Celebes Green Project

Sync - Up: A Multisector Lab

The session allows Changemaker to collaborate

Workshop	84,93%
Mata Air	92,64%
Mentoring	91,07%
Sync Session	94,07%



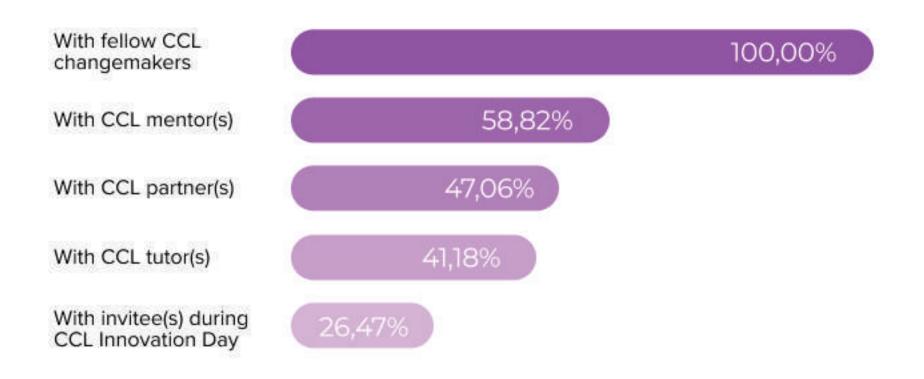


We can only do so little alone, but together we can do so much. This goes for all Changemakers in our Lab. Collaboration is our underpinning value in the Catalyst Changemakers Lab.

We incorporate interactive activities in each CCL session that facilitate collaboration among changemakers. On average, 90.68% of Changemakers have stated that the sessions they attended have allowed them to collaborate with their fellow Changemakers.

Sync - Up: A Multisector Lab

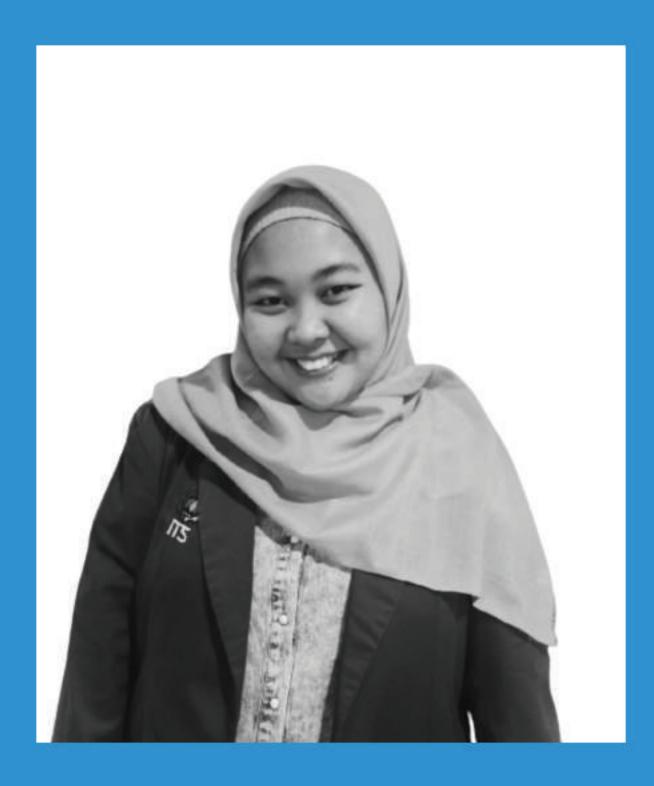
The session enable changemakers to connect with multistakeholders



The various sessions helped facilitate connection between Changemakers and multisector stakeholders; this includes engaging them for potential collaboration in building sustainable innovation to improve clean water access and develop community resilience to hydrometeorological disasters. 100% of the Changemakers in CCL experienced gaining a connection with fellow CCL Changemakers while 40-60% of them experienced connecting with CCL mentors, partners, and/or tutors.

"We were given the opportunity to collaborate with other organizations. We can exchange ideas with them, can discuss together, can solve problems together. We also get positive energy from friends from other organizations so that it spurs our enthusiasm to continue running our organization to solve environmental problems in Indonesia related to access to clean water and hydrometeorological disasters."

Ririn Triyanti CMO Aikite



Scale-up: Collaboration to Scale Impact On-ground

Creativity is thinking up new things. Innovation is doing new things.







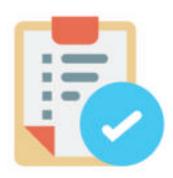
ACTIVITIES







Community Empowerment



Monitoring and Evaluation

Pilot Project

Our approach to water security for all is by developing a hyperlocal integrated IoT-water system that brings together stakeholders and assists the government to achieve its national targets.

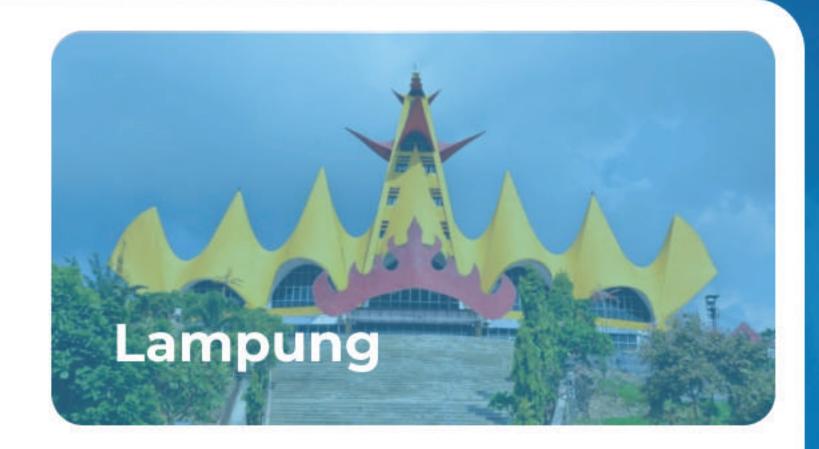
Pilot projects implement ecosystemdriven solutions on the ground by combining technology optimization and community empowerment to provide real impact on the ground. They also provide changemakers an opportunity to develop and scale their innovation in the future.

PILOT PROJECT LOCATIONS



Semarang (2022-2023)
Bandar Lampung (2022-2023)
Makassar (2022-2023)

PILOT PROJECT GRANTEES



WAWAI PASARAN

Gajahlah Kebersihan, Askara Cendikia, Angkuts

Reducing Water-related Plastic Waste Pollution

Focused Issues/Problems: Pasaran Island is one of the most polluted islands in Bandar Lampung, where 90% of the island's residents throw their garbage into the sea with an accumulation of 2,864 kg of garbage/week, and there is no access to coastal waste transportation.

Innovation Plan: Build a waste management system through the concept of a circular economy with three approaches:

- · education on waste reduction and sorting
- a waste pick-up platform to increase the number of salable waste so that it can be recycled by waste banks and 3R TPS
- waste processing technology for residual waste into concrete roster products (vents / ventilation).



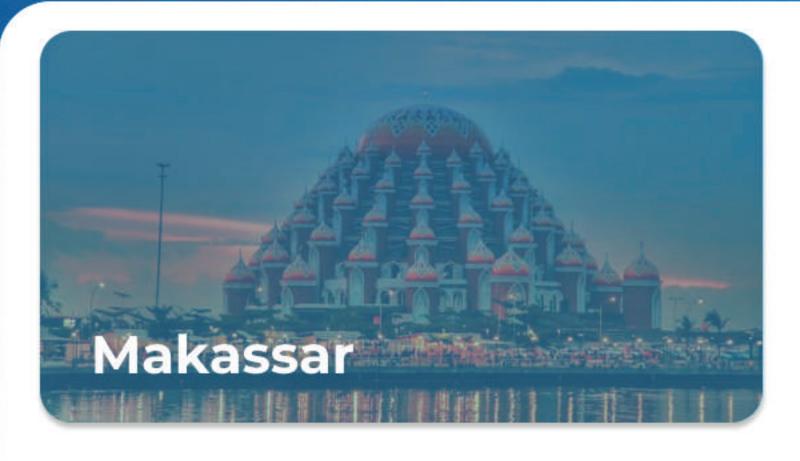
TRANSFORMING SINKING CITIES INTO LANDSCAPE WITH RESILIENT COMMUNITY

PoreBlock, Solusi Banjir, Liberates Creative Colony

Developing Hydrometeorological Disaster Resilient

Focused Issues/Problems: Mijen, Ngaliyan, Gunungpati, and Tembalang sub-districts are the most vulnerable to flooding because they are located in watersheds that experienced 72 hydrometeorological disasters or equivalent to 26.37% of the total hydrometeorological disasters that occurred in Semarang City in year 2021.

Innovation Plan: Development of hydrometeorological disaster resilience through the implementation of zero run-off technology in the form of infiltration wells and paving blocks to reduce surface water flow to increase groundwater levels and disaster preparedness training for vulnerable communities affected by disasters.



RAIN WATER HARVESTING AND WATER FILTRATION IN MAKASSAR

Terra Water, Kopernik, Celebes Green Project

Improving Water Supply, Health, and Quality

Focused Issues/Problems: Tallo District is one of the coastal areas that has minimal access to safe and proper drinking water due to the lack of access to the Drinking Water Supply System (SPAM), which is one of the five subdistricts experiencing a clean water crisis in 2021.

Innovation Plan: Provide access to safe drinking water by optimizing alternative water sources, namely rainwater, through communal rainwater harvesting technology and household-scale drinking water filtration.

Reducing Waste Pollution

The build up of waste in cities caused a rapid deterioration in levels of sanitation and the general quality of urban life. In addressing this issue, these changemakers are creating sustainable innovations to solve improper waste disposal and poorly managed landfills that generate soil and air pollution that has harmful effects on people and the environment.

ROBRIES

Robries



Water Coin

Recycling plastic waste into high value products such as furniture and home man accessories.

Providing access to drinking water and clean water through water management treatment methods, and system automation.



Askara Cendekia

Creating a society that aware, empowered, and cares in the field of social, economic, environmental and health.



Angkuts

Monthly solid waste transportation services, on demand service (one time transport) and provide waste bank application.



WastEducation

Reducing waste that goes to the landfill by maximizing the function of waste and campaigns to reduce single-use waste.



Gajahlah Kebersihan

Empowers coastal and urban communities in supporting circularity on the issue of coastal waste.



Griya Luhu

Sustainable waste management by using digital Technologies.



Gammawaste.to

Making innovation breakthroughs in this waste processing.



Econesia

Enables businesses and consumers to have healthier, more cost-effective and plastic-free drinking water.



Yayasan Peduli Negeri

A non-profit organization oriented towards empowering the community in the integrated aspects of the environment, health, education, and the economy.

Water Conservation

Humans are dependent on water but water is not an infinite supply as about 2 percent of Earth's freshwater is locked in glaciers and ice caps, while 97 percent is salt water. Therefore, only 1 percent of water on Earth is available for drinking. These changemakers generate solutions to sustainably manage the natural resource of fresh water, to protect the hydrosphere, and to meet the current and future human demand (thus avoiding water scarcity).





Databiota

A surveillance platform to protect Biodiversity.

Watery Nation

A youth organization in the environment and water sector focus on environmental education



SolusiBanjir.id

Solutions to manage floods and water conservation through Wise Water Management and water absorption.



AiKite

AiKite is a socio-engineering startup engaged in the water, sanitation and hygiene (WASH) for] communities who do not have access to safe clean water

Water Access

Universal access to safe drinking water is a fundamental human right & need. Securing access for all would go a long way in reducing illness and death. These changemakers came up with innovations and interventions that address model that addresses the entire value chain of clean water supply, from tapping natural sources to households, with technical and social interventions aimed to optimize the clean water supply system, in addition to community management with capacity building, by providing innovative technical and social solutions with sustainable, cost-effective results.



SIAB Indonesia

Water Management System which tackles the problem of clean water starting from the discovery of springs, automatic clean water filtration.



Project Child

Providing youth education regarding health, environment and disaster.



Celebes Green Project

Assistance to information access to clean water sources to the lowermiddle economic community.



Terra Water Indonesia

Manufacture ceramic water filters to make drinking water safe and accessible to everyone.



Safari Alam Teknik

Safari Alam Teknik is an environmental service and consultant company in the water conservation scheme.



KASM Telaga

Provides healthy drinking water at home and in public locations with water filter.



Komodo Water

Expanding access to clean water for communities in remote areas via sustainable water management solutions.



Kopernik

Research and development in the social and environmental fields to find solutions that address the challenges faced by marginalized communities.

Water Access

Universal access to safe drinking water is a fundamental human right & need. Securing access for all would go a long way in reducing illness and death. These changemakers came up with an intervention model that addresses the entire value chain of clean water supply, from tapping natural sources to households, with technical and social interventions aimed to optimize the clean water supply system, in addition to community management with capacity building, by providing innovative technical and social solutions with sustainable, cost-effective results.



Nazava

Manufactures and designs drinking water filters for families.



Youth with Sanitation Concern (YSC)

Youth with Sanitation Concern (YSC) is a youth community who cares about sanitation issues in Lampung Province.



Wanua Panrita

Aim of improving economic and environmental sustainability of local communities isolated.



Project Kampung Papua

Improve the quality of life of people living in poor and disadvantaged villages in the West Papua region.

Developing Community Resilience to Hydrometeorological Disaster Weather and climate hazards such as storms, floods and droughts cause more economic damage and loss of life than any other natural disasters. As some studies indicate, climate change could make such events even more severe. These changemakers play a role in emphasizing on the importance of early warning systems in disaster risk reduction. The mitigation of flood losses cannot be over emphasized, especially in the challenging atmosphere of climate change and the increasing occurrences of climate extremes.



Wujudkan Mandiri Air

Harvesting water from sea, sand, and sky using cross-disciplinary technology and science.



Bendega

Support SME Fishermen; and take conservation action ecosystem of water bodies by using technological facilities



PoreBlock

Building material innovation: a porous concrete that can absorb water so that it can reduce the risk of flooding and increase groundwater reserves.



Lindungi Hutan

Crowdsourcing platform that allows users to contribute to forest and environmental conservation activities in Indonesia.



Liberates Creative Colony

We are a design and branding studio and a collective space for creative activities.



U-Inspire

Accelerate the implementation of Disaster Risk Reduction (DRR) inline with the Sendai Framework to support DRR policy and action at local, national and international levels.



IDEP Foundation

Provide training, community assistance and media distribution related to environmental conservation and Community-Based Disaster Management.

OUR MENTOR

Experienced innovators that who have guided Changemakers to develop their potential and innovation



Rahma Utami Ir. Founder and Knowledge & Accessibility Director at Suarise



Ir. Harkunti Pertiwi Rahayu, Ph.D.
Associate Professor at sise Institut Teknologi Bandung



Supervisory Board of Alliance at Water Stewardship Indonesia



Inez Stefanie
Co-Founder & Managing Partner
at Supernova Ecosystem



Arfan Arlanda Founder & CEO at Jejak.in



Kintan Ayunda Senior Associate at Program SecondMuse



Andhika Mahardika Founder & CEO at Agradaya



Maria Agustin
Co-Founder & Director at
Partnership - Pratisara Bumi
Foundation



Afifa Urfani Head of Impact & Partnership at CROWDE



Gadis Prameswari
Co-Founder at Parongpong
Recycle & Waste Management



Yudhi Pradana
Executive Director at B Corp
Southeast Asia of Genashtim
Innovative Learning





OUR TUTOR

Experts from certain sectors that who have helped Changemakers in the learning journey



Amelia Hapsari Framework Change Leader at Ashoka Southeast Asia



Augustine Merriska Founder & Director at Meta Innovation Lab



Aristiwidya Bramantika Head of ThinkLab at Yayasan Anak Bangsa Bisa



Rosinsko Susanto Head of Strategy at Ambilhati



Monica
Oudang
Chairwoman at
Yayasan Anak
Bangsa Bisa



Natasha Head of Business Development at Artemis Impact



M Bijaksana Junerosano Managing Director at Waste4Change



Tom Courly Co-Founder & Partner at Bali Investment Club



Gibran Huzaifah CEO at eFishery



Laurencia Cindy Saputra Designer at Enviu



Simon Oberman CEO at Artemis Impact



Yura Natanegara Strategic Region Head East Indonesia at Gojek



Atika Benedikta Impact Investment Lead at ANGIN



Nashin Mahtani Director at Yayasan Peta Bencana



Tommy Sudjarwadi Partner at Dunamis

OUR TEAM



Nadia Hanim Abdul Latif Head of Strategy at YABB



Andre Prasetyo Program Associate at YABB



Ryani Sisca Program Director at SIAP



Nugra Andika Program Manager at SIAP



Dewi TanProgram Associate at YABB



Putri Amali Marketing & Communication at SIAP



Nafisah Maulidya Program Communication at YABB



Lila Sukendy Program Associate at SIAP



Chris Panogari
Program
Coordinator at YABB



Clarita Bangun Program Engagement at YABB



Shakuntala Lunarjati Program Associate at SIAP



Erwin GutawaProgram Associate at
SIAP



Ferita Taufik Impact Advisor at SIAP



Irsan Nasuition
Program Manager at SIAP

Strategic Partners

Partners who provide funding and/or in-kind support, expertise & impact network to ensure the success of the Catalyst Changemakers Lab and/or pilot projects as a whole.

Innovation Partners

Partners who provide expertise (e.g. mentors/modules) in their area of expertise, as well as in-kind support (e.g. tech/collateral support) for the Catalyst Changemakers Lab and/or pilot projects.

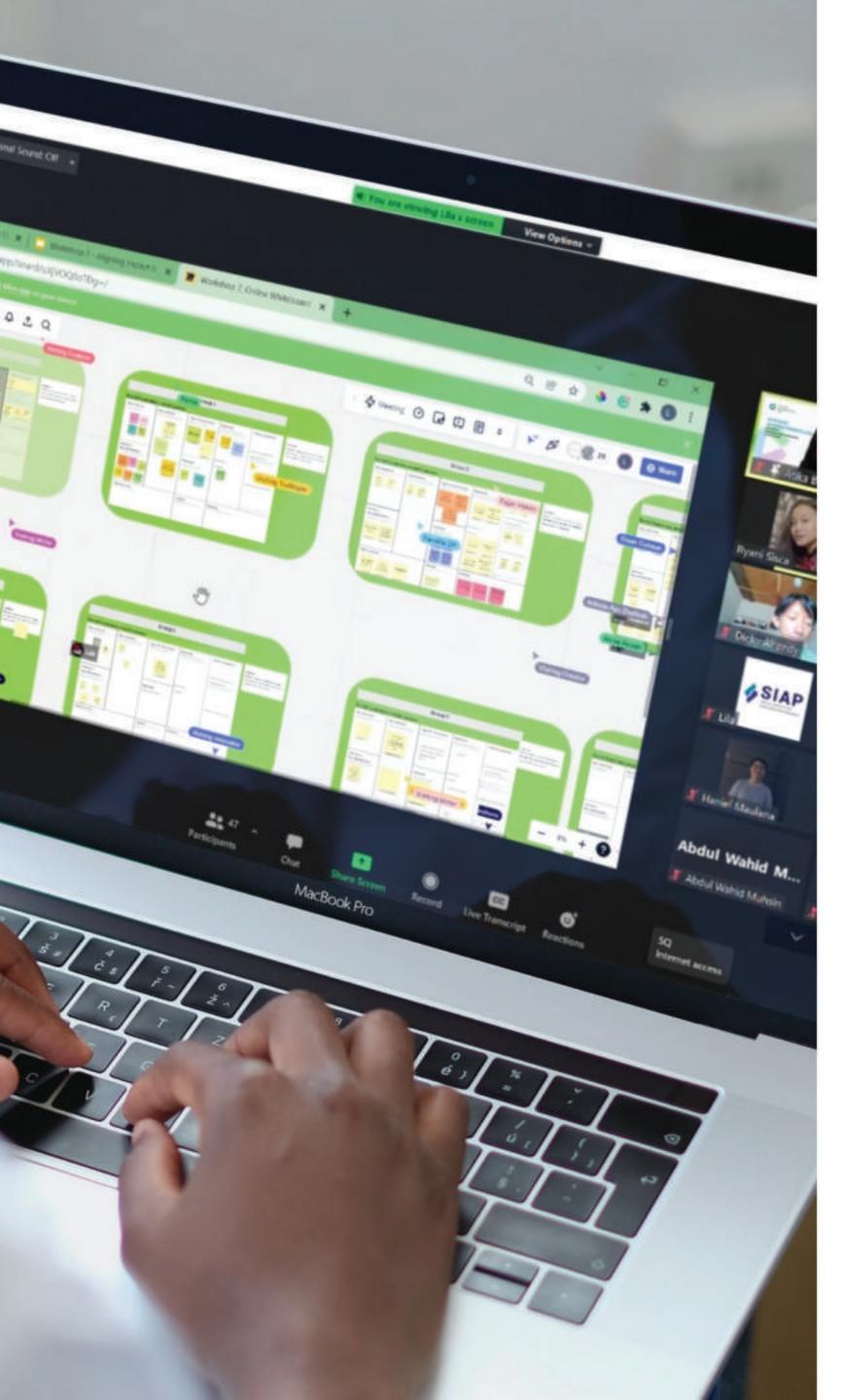
Community Partners

Partners who share the networks and experiences as lessons learned for the Catalyst Changemakers Lab and pilot project.

Changemakers

A tech startup or a Civil Society Organization (CSOs) that is committed to improving water access and building resilience against hydrometeorological disasters in your community.





OUTCOME SURVEY OVERVIEW

Post-session Feedback Survey to Changemakers

We sent surveys to Changemakers each time they completed the Catalyst Changemakers Lab session. They were asked to report the outcomes of their experience after taking part in the program. We measured survey by asking respondents their experience and learnings 1-6 on each measured item with 1 as the lowest score and 6 being the highest score. The number of responses for each session as follow:

- Workshop sessions: 157 responses from 48 respondents
- Mata Air sessions: 86 responses from 31 respondents
- Mentoring sessions: 28 responses from 20 respondents
- Sync sessions: 59 responses from 29 respondents

Post-program Feedback Survey to Changemakers

We sent surveys to Changemakers after they completed the entire Catalyst Changemakers Lab program. They were asked to report the outcomes they experienced after taking part in the program. The respondents consist of 34 respondents representing 28 Changemakers. We measured the survey by:

- Asking respondents to rate from 1-6 on each measured item with 1 as the lowest score and 6 being the highest score.
- Asking respondents on the changes they experience after joining the program. Respondents
 gave concrete experience relevant to the program which were considered as having.







